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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/632,166
Filing Date	07/29/2003
First Named Inventor	Arthur R. Hair
Art Unit	2132
Examiner Name	Thomas R. Peeso
Attorney Docket Number	HAIR-18 CONT

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,315,101 A	02/09/1982	Atalla	
		US- 5,313,521 A	05/17/1994	Torii et al.	
		US- 5,666,411 A	09/09/1997	McCarty	
		US- 5,657,390 A	08/12/1997	Elgamal et al.	
		US- 5,845,281 A	12/01/1998	Benson et al.	
		US- 6,385,641 B1	05/07/2002	Jiang et al.	
		US- 6,393,477 B1	05/21/2002	Paxhia et al.	
		US- 6,393,569 B1	05/21/2002	Orenshteyn	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		EP 0 881 561 A	12/02/1998	Hewlett-Packard Company		
		EP 0794639 A2	09/10/1997	Mitsubishi Denki Kabushiki Kaisha		
		EP 0880088 A2	11/25/1998	Mitsubishi Corporation		

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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Examiner Signature		Date Considered	
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